

Title (en)

Gel electrolyte including additives for rechargeable lithium battery, and rechargeable lithium battery including same

Title (de)

Gelelektrolyt mit Additiven für eine wiederaufladbare Lithiumbatterie und wiederaufladbare Lithiumbatterie damit

Title (fr)

Électrolyte à gel incluant des additifs pour batterie au lithium rechargeable, et batterie au lithium rechargeable le comprenant

Publication

EP 2400589 B1 20160824 (EN)

Application

EP 11170044 A 20110615

Priority

KR 20100060747 A 20100625

Abstract (en)

[origin: EP2400589A1] A gel electrolyte for a rechargeable lithium battery includes a gel polymer including a repeating unit derived from a first monomer represented by A-L-E, a non-aqueous organic solvent, a lithium salt, and an additive. A rechargeable lithium battery includes the gel electrolyte. The additive includes a compound selected from compounds represented by derivatives thereof, and combinations thereof.

IPC 8 full level

H01M 10/0565 (2010.01); **H01G 11/56** (2013.01); **H01M 10/0567** (2010.01)

CPC (source: EP US)

H01G 11/56 (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP US); **H01M 10/0567** (2013.01 - EP US); **H01M 2300/0085** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02E 60/13** (2013.01 - US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 11170044 A 20110615; CN 201110186448 A 20110621; JP 2011140885 A 20110624; KR 20100060747 A 20100625; US 201113167635 A 20110623